

Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of the claims in the application:

- 1           1. (Currently Amended) A method for incrementally backing up data from a logically  
2 represented volume on disk media, accessible by a client through a network connection, the  
3 client comprising an enterprise database application, said method comprising:  
4                 identifying tracks of the logically represented volume that have changed since a  
5 last incremental backup operation by reading fresh data indications, (i) wherein each of the fresh  
6 data indications corresponds to a track of the logically represented volume and (ii) wherein a  
7 given fresh data indication is indicative of whether its corresponding track has been changed  
8 since a last incremental backup operation;  
9                 identifying files for incremental backup, the identified files comprising changed  
10 and unchanged blocks saved on a track deemed changed since a last incremental backup  
11 operation; and  
12                 incrementally backing up the identified files from the disk media to sequential  
13 storage media through a high speed connection.  
14  
15           2. (Original) The method according to claim 1, wherein the identified files are backed  
16 up in their entirety.  
17  
18           3. (Original) The method according to claim 2, wherein the acts of identifying tracks,  
19 identifying files, and backing up the identified files are performed by a data manager of an  
20 enterprise storage platform.

1           4. (Original) The method according to claim 2, wherein said fresh data indications  
2     comprise flag bits, set to zero or to one, by hardware when a given track is backed up or updated,  
3     respectively.

4           5. (Original) The method according to claim 4, wherein said fresh data indications  
5     comprise change marks.

6  
7           6. (Currently Amended) A system for incrementally backing up data from a logically  
8     represented volume on disk media, accessible by a client through a network connection, the  
9     client comprising an enterprise database application, said system comprising:

10           a track identifier to identify tracks of the logically represented volume that have  
11     changed since a last incremental backup operation by reading fresh data indications, (i) wherein  
12     each of the fresh data indications corresponds to a track of the logically represented volume and  
13     (ii) wherein a given fresh data indication is indicative of whether its corresponding track has  
14     been changed since a last incremental backup operation;

15           a file identifier to identify files for incremental backup, the identified files  
16     comprising changed and unchanged blocks saved on a track deemed changed since a last  
17     incremental backup operation; and

18           a backup mechanism to incrementally back up the identified files from the disk  
19     media to sequential storage media through a high speed connection.

20  
21           7. (Original) The system according to claim 6, wherein the track identifier, the file  
22     identifier, and the backup mechanism comprise executing portions of encoded computer-  
23     readable media of a data manager of an enterprise storage platform.

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25           8. (Original) The method according to claim 6, wherein said fresh data indications  
26     comprise flag bits, set to zero or to one, by hardware when a given track is backed up or updated,  
27     respectively.

28           9. (Original) The method according to claim 8, wherein said fresh data indications  
29     comprise change marks.

1           10. (Original) A machine-readable media for incrementally backing up data from a  
2     logically represented volume on disk media, accessible by a client through a network connection,  
3     the client comprising an enterprise database application, the computer-readable media being  
4     encoded so that, when the machine-readable media is read by a computer, the machine-readable  
5     media causes:

6                 identifying tracks of the logically represented volume that have changed since a  
7     last incremental backup operation by reading fresh data indications, (i) wherein each of the fresh  
8     data indications corresponds to a track of the logically represented volume and (ii) wherein a  
9     given fresh data indication is indicative of whether its corresponding track has been changed  
10    since a last incremental backup operation;

11                identifying files for incremental backup, the identified files comprising blocks  
12    saved on a track deemed changed since a last incremental backup operation; and

13                backing up the identified files from the disk media to sequential storage media  
14    through a high speed connection.  
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16           11. (Original) The machine-readable media according to claim 10, wherein the  
17    identifying tracks, the identifying files, and the backing up comprise executing portions of  
18    encoded computer-readable media of a data manager of an enterprise storage platform.  
19

20           12. (Original) The machine-readable media according to claim 10, wherein said fresh  
21    data indications comprise flag bits, set to zero or to one, by hardware when a given track is  
22    backed up or updated, respectively.  
23

24           13. (Original) The machine-readable media according to claim 12, wherein said fresh  
25    data indications comprise change marks.